IN THE CLAIMS

Please amend the claims as follows:

Claims 1-41 (Canceled).

Claim 42 (New): A process for producing moldings by a layer-by layer process, comprising selectively melting regions of a respective pulverulent layer via unfocused introduction of electromagnetic energy, using a polymer powder, wherein the powder comprises at least one thermoplastic random copolymer with an ISO 1133 MFR value of from 12 to 1 g/10 min.

Claim 43 (New): The process as claimed in claim 42, wherein the powder comprises at least one thermoplastic random copolymer with an ISO 1133 MFR value of from 10 to 1 g/10 min.

Claim 44 (New): The process as claimed in claim 42, wherein the powder comprises at least one thermoplastic random copolymer with an ISO 1133 MFR value of from 12 to 1 g/10 min, the selectivity being achieved via application of susceptors or of absorbers, or via masks.

Claim 45 (New): The process as claimed in claim 42, wherein the powder comprises at least one thermoplastic random copolymer with an ISO 1133 MFR value of from 10 to 1 g/10 min, the selectivity being achieved via application of susceptors or of absorbers, or via masks.

Claim 46 (New): The process as claimed in claim 42, wherein the powder comprises at least one thermoplastic random copolymer with an ISO 1133 MFR value of from 12 to 1 g/10 min, the selectivity being achieved via application of inhibitors.

Claim 47 (New): The process as claimed in claim 42, wherein the powder comprises at least one copolyester.

Claim 48 (New): The process as claimed in claim 47, wherein the powder comprises at least one copolyester containing at least one of the monomer units from the group of adipic acid, isophthalic acid, dimethyl phthalate, 1,4-butanediol, 1,6-hexanediol, and polyethylene glycol.

Claim 49 (New): The process as claimed in claim 42, wherein the powder comprises at least one copolyamide.

Claim 50 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide containing at least one of the units selected from the group of the lactams, the diamine/dicarboxylic acid salts, and/or the aminocarboxylic acids.

Claim 51 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide containing at least one of the units selected from the group of laurolactam, caprolactam, aminoundecanoic acid, and also containing approximately equimolar amounts of the dicarboxylic acids adipic acid, sorbic acid, azelaic acid, sebacic acid, dodecanedioic acid, brassylic acid, tetradecanedioic acid, pentadecanedioic acid, octadecanedioic acid; terephthalic acid, isophthalic acid, and of the diamines

hexamethylenediamine, 2-methylpentamethylenediamine, 2,2,4-trimethylhexamethylenediamine, 2,4,4-tri-methylhexamethylenediamine, isophoronediamine, piperazine, bis(4-aminocyclohexyl)methane, or of the nylon salts formed therefrom.

Claim 52 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide containing caprolactam, laurolactam, and AH salt.

Claim 53 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide containing caprolactam, laurolactam, and DH salt.

Claim 54 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide containing caprolactam and laurolactam.

Claim 55 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide, the DIN 53727 relative solution viscosity in m-cresol being from 1.55 to 1.9.

Claim 56 (New): The process as claimed in claim 49, wherein the powder comprises at least one copolyamide, the DIN 53727 relative solution viscosity in m-cresol being from 1.6 to 1.7.

Claim 57 (New): The process as claimed in claim 42, further comprising auxiliaries and/or filler and/or pigments.

Claim 58 (New): The process as claimed in claim 57, comprising flow aids as auxiliary.

Claim 59 (New): The process as claimed in claim 57, comprising glass particles as filler.

Claim 60 (New): The process as claimed in claim 57, comprising metal soaps as auxiliary.

Claim 61 (New): A molding produced by the process of claim 42 and comprising a thermoplastic random copolymer with an ISO 1133 MFR value of from 12 to 1 g/10 min.

Claim 62 (New): The molding as claimed in claim 61, comprising at least one copolyester.

Claim 63 (New): The molding as claimed in claim 61, comprising at least one copolyester containing at least one of the monomer units selected from the group of adipic acid, isophthalic acid, dimethyl phthalate, 1,4-butanediol, 1,5-hexanediol, polyethylene glycol.

Claim 64 (New): The molding as claimed in claim 61, comprising at least one copolyamide.

Claim 65 (New): The molding as claimed in claim 61, comprising at least one copolyamide containing at least one of the units selected from the group of the lactams, the diamine/dicarboxylic acid salts, and/or the aminocarboxylic acids.

Claim 66 (New): The molding as claimed in claim 61, comprising at least one copolyamide containing at least one of the units from the group of laurolactam, caprolactam, aminoundecanoic acid, and also containing approximately equimolar amounts of the dicarboxylic acids adipic acid, sorbic acid, azelaic acid, sebacic acid, dodecanedioic acid, brassylic acid, tetradeoanedioic acid, pentadecanedioic acid, octadecanedioic acid, terephthalic acid, isophthalic acid, and of the diamines hexamethylenediamine, 2-methylpentamethylenediamine, 2,2,4-trimethylhexamethylenediamine, 2,4,4-tri-methylhexamethylenediamine, isophoronediamine, piperazine, bis(4-aminocyclohexyl)methane, or of the nylon salts formed therefrom.

Claim 67 (New): The molding as claimed in claim 61, comprising at least one copolyamide containing caprolactam, laurolactam, and AH salt.

Claim 68 (New): The molding as claimed in claim 61, comprising at least one copolyamide containing caprolactam, laurolactam, and DH salt.

Claim 69 (New): The molding as claimed in claim 61, comprising at least one copolyamide containing caprolactam and laurolactam.

Claim 70 (New): The molding as claimed in claim 61, comprising at least one copolyamide, the DIN 53727 relative solution viscosity in m-cresol being from 1.55 to 1.9.

Claim 71 (New): The molding as claimed in claim 61, comprising at least one copolyamide, the DIN 53727 relative solution viscosity in m-cresol being from 1.6 to 1.7.

Claim 72 (New): The molding as claimed in claim 61, further comprising auxiliaries and/or filler and/or pigments.

Claim 73 (New): The molding as claimed in claim 72, comprising flow aids as auxiliary.

Claim 74 (New): The molding as claimed in claim 72, comprising glass particles as filler.

Claim 75 (New): The molding as claimed in claim 72, comprising metal soaps as auxiliary.

Claim 76 (New): A process as claimed in claim 42, further comprising processing the polymer powder at a construction chamber temperature of from 80 to 160°C.

Claim 77 (New): A process as claimed in claim 42, further comprising processing the polymer powder at a construction chamber temperature of from 85 to 120°C.